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Please replace the current Abstract with the following new Abstract:

Web server operations are offloaded to a network interface device, such as a network interface card. The device includes a physical interface to interconnect a network and a web server, and a storage mechanism for web content provided by the web server. The device is capable of independent provision of web content, such as frequently requested content of web pages, thus reducing load on the web server and its storage mechanism. Additional new elements and operations for a network interface device, and a web server system in which it operates, are also described.